

# Motif Development Kit for Suns

The IXI Motif Development Kit provides a complete and ready-to-run Motif™ development environment for Sun workstations. Software engineers can build the new generation of graphical applications with confidence, knowing that they are using the ultimate high performance Motif environment.

Since its introduction in 1989, Motif from the Open Software Foundation has emerged as a leading graphical user interface (GUI) for UNIX software. Motif is now shipped with all the major UNIX platforms: IBM, Digital, Hewlett-Packard, NCR and the Santa Cruz Operation to name a few.

Because Sun does not supply Motif with their workstations, IXI provides a complete Motif package for this popular development platform. The IXI Motif Development Kit is

no ordinary Motif implementation. We have tuned its performance, added substantial value by incorporating many bug fixes, shared libraries and enhancements, and most importantly of all, it is supported by IXI, one of the world's leading X Windows software companies.

The IXI Motif Development Kit includes:

*Motif Toolkit* – a rich set of widgets that represent the user interface components such as buttons, sliders, scrollbars and cascading menus;

*Motif Window Manager* – a mouse or keyboard controlled window manager for manipulating application windows;

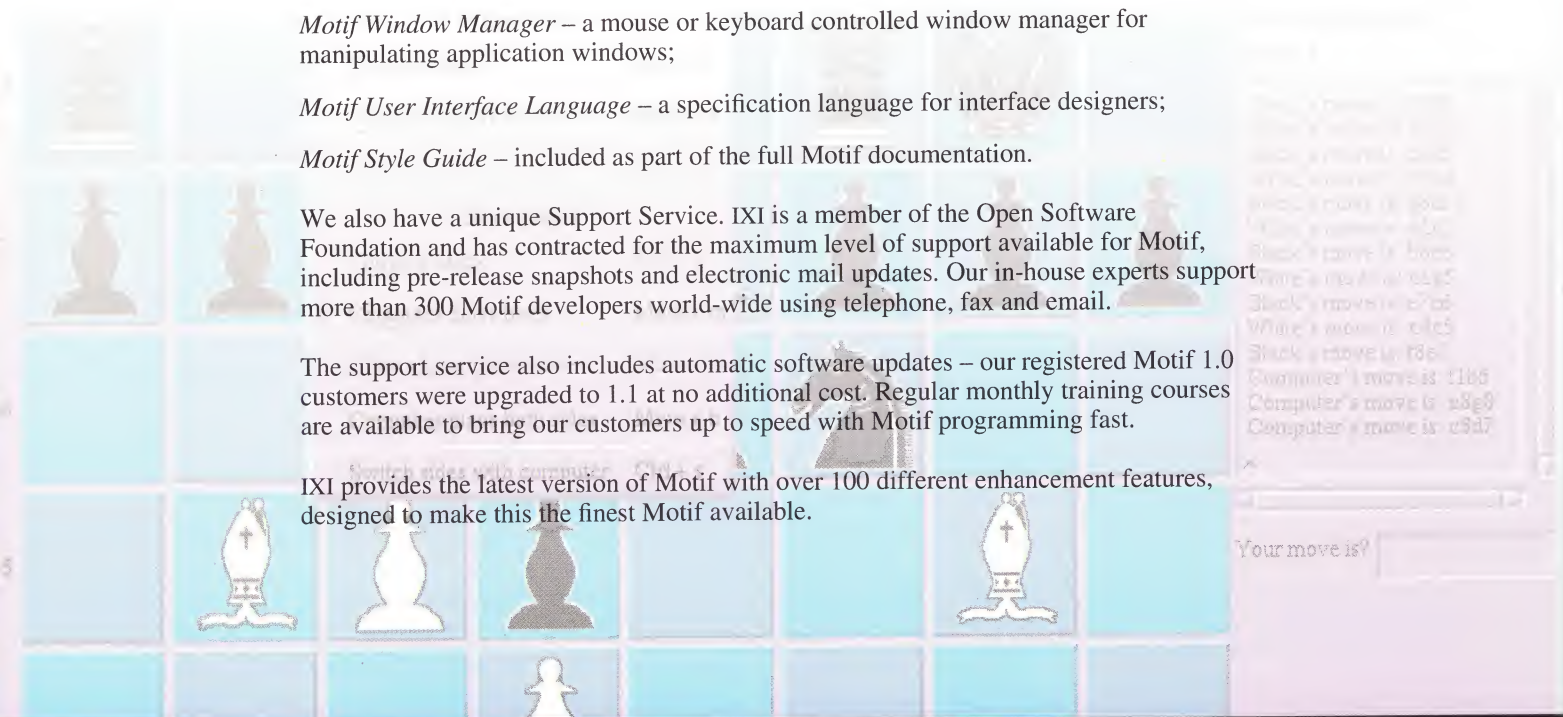
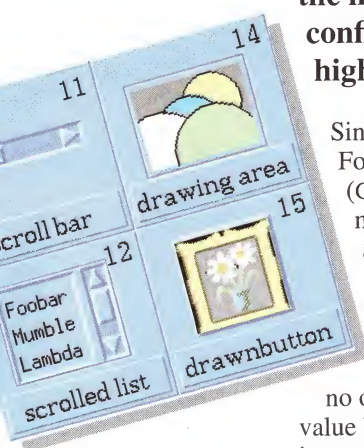
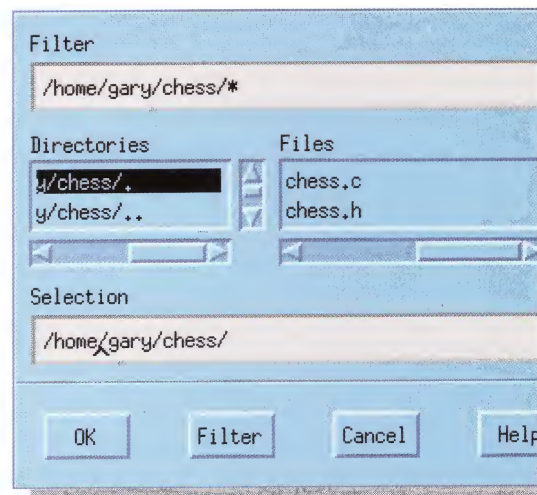
*Motif User Interface Language* – a specification language for interface designers;

*Motif Style Guide* – included as part of the full Motif documentation.

We also have a unique Support Service. IXI is a member of the Open Software Foundation and has contracted for the maximum level of support available for Motif, including pre-release snapshots and electronic mail updates. Our in-house experts support more than 300 Motif developers world-wide using telephone, fax and email.

The support service also includes automatic software updates – our registered Motif 1.0 customers were upgraded to 1.1 at no additional cost. Regular monthly training courses are available to bring our customers up to speed with Motif programming fast.

IXI provides the latest version of Motif with over 100 different enhancement features, designed to make this the finest Motif available.



Extra IXI bug fixes and speed-ups including:

- The text widget speed and functionality has been vastly improved.
- Improved memory usage and many memory leaks fixed.
- Correct support for programs driving several simultaneous X servers.
- There is now a working form widget, with support for many 1.1 documented features which do not exist in the general OSF code.
- IXI's implementation supports tab-grouping and keyboard focus correctly.
- Many cases causing lock-ups, X protocol errors and core dumps in 1.1.1 are rectified.

Enhancements to help ISV's build robust and easy to install products:

- Shared libraries, reducing disc space and memory usage. Applications using enhanced IXI libraries need not be compiled.
- The built-in default XKeysymDB avoids installation of files in /usr/lib/X11.
- All hardwired pathnames have been removed and now use a search path environment variable with sensible defaults.

Functional Enhancements that retain full compatibility with Motif 1.1 but add extra capability:

- Support for XPM2 (color picture) files in bitmap reading routines.
- A string-to-widget converter has been added.
- Extra form widget functionality to assist in the development of high quality user interfaces.
- "mwm" enhanced to support multi-color pictures in minimized windows and reduce system load by 50% when re-starting.

The IXI Motif Developer's Kit also includes source code using all of the main Motif widgets, demonstrating how they were created and their function. For those new to Motif, this proves invaluable in understanding the user interface components Motif provides.

In addition, source code of special IXI applications, including a Motif version of the GNU chess game, are supplied.

## IXI Motif Development Kit customers include:

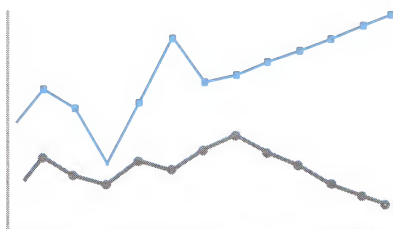
Visual Edge  
Shell Oil  
GEC Marconi  
British Telecom  
Motorola  
Union Bank of Switzerland  
Commission of European Communities  
Philips Research  
Siemens Plessey Defense Systems

## About IXI

IXI is a leading developer of X Window System based products and services which help users exploit the power of their UNIX based systems. Deskterm™ and X.desktop™ are world class Motif products.

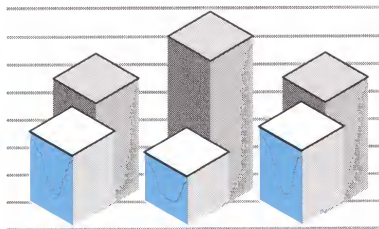


PERFORMANCE



— IXI Motif  
— Standard OSF Motif

MEMORY USAGE



■ Standard OSF Motif  
■ IXI Motif

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X.desktop is the most widely used UNIX desktop manager and is bundled with the Motif graphical user interfaces from IBM, the Santa Cruz Operation, NCR, Unisys, NEC and many others.

Deskterm is the ideal tool for software developers who want to move existing character-based applications over to the graphical world of X and Motif. Since its launch in May 1990, Deskterm has received widespread acclaim including the accolade of UnixWorld's "Product of the Year 1990".

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Disclaimer: IXI products are subject to continuous revision and improvement so information in this brochure may be out-of-date.

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